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New Records of Chrysidae (Hymenoptera: Chrysoidea) from New Caledonia

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A b s t r a c t : In New Caledonia the family Chrysidae is represented by the subfamilies Amiseginae (one species) and Chrysidiinae (two species). *Chrysis lincea* FABRICIUS 1775 is new to the fauna of New Caledonia. *Stilbum cyanurum* (FORSTER 1771) is deleted from the species list, because the supposed record is from Papua New Guinea (Woodlark Island).

K e y w o r d s : Chrysidae, catalogue, new records, New Caledonia.

Introduction

The chrysidid fauna of New Caledonia is poorly known. The papers of MONTROUSIER (1864), MOCSÁRY (1889), du BUYSSON (1898) and KIMSEY (1995) are the only ones dealing with this topic. Till now only three species have been recorded from New Caledonia, of which *Stilbum cyanurum* (FORSTER 1771) must be deleted from the New Caledonian species list.

This paper is based on the small material housed in the collection of the Station de Recherches Fruitières de Pocquereux (SRFP) in La Foa (New Caledonia) and the Naturhistorisches Museum (NHMW) in Wien (Austria). It contains only two species, but *Chrysis lincea* FABRICIUS 1775 is new to the fauna of New Caledonia. Currently there are no records of Chrysidae from the îles Loyauté.

Avoiding confusion with the name of the French overseas territory, the main island is called Grande Terre. I have also used the French names of the localities instead of the English ones.

Annotated catalogue

Subfamily Amiseginae

Atoposega decorata KIMSEY 1995

Atoposega decorata new species: KIMSEY 1995: 590 (descr. ♀, Grande Terre), 591 (fig. 1).

D i s t r i b u t i o n : Grande Terre: Province Nord: Ciu (near Mont Canala).

Endemic.

Subfamily Chrysidiinae

Chrysis lincea FABRICIUS 1775

Material examined: Grande Terre: La Foa, Station de Recherches Fruitières de Pocquereux 1♀ leg. S. Cazères (SRFP), 1♀ 02. 11. 2005 leg. R.M. M'Boueri (SRFP), 1♀ 20. 03. 2010 leg. P. Leuren (SRFP).

Known from the Australian, Ethiopian and Palaearctic Region.

Primeuchroeus caledonicus (MOCSÁRY 1887)

Chrysis caledonica n.nom.: MOCSÁRY 1887: 15 (replacement name for *Chrysis integra* MONTROUSIER).

Chrysis (Holochrysis) caledonica MOCSÁRY 1887: MOCSÁRY 1889: 202 (tax., descr. ♀ (not ♂), Grande Terre).

Chrysis caledonica MOCSÁRY 1887: de DALLA TORRE 1892: 48 (cat.).

Chrysis caledonica MOCSÁRY 1887: du BUYSSON 1898: 522 (tax., descr. ♂ ♀, Australia, Tasmania), 548 (Grande Terre), pl. 18 (figs 5a-d).

Chrysis caledonica MOCSÁRY 1887: du BUYSSON 1899: 162 (Grande Terre).

Chrysis (Holochrysis) caledonica MOCSÁRY 1887: BISCHOFF 1913: 38 (cat.).

Euchroeus (Primeuchroeus) caledonica (MOCSÁRY 1887): LINSENMAIER 1982: 333 (tax., key).

Primeuchroeus caledonicus (MOCSÁRY 1887): BOHART 1988: 24 (key).

Primeuchroeus caledonicus (MOCSÁRY 1887): KIMSEY & BOHART 1990: 540 (cat.).

**Chrysis integra* n.sp.: MONTROUSIER 1864 (In: PERROUD & MONTROUSIER): 249 (descr., Grande Terre).

Distribution and material examined: Grande Terre: Province Nord: Canala – Province Sud: La Foa, Station de Recherches Fruitières de Pocquereux 1♀ 20.02.2009 leg. C. Mille (SRFP) – Nouméa 1♀ 15.VIII.1965 Österreichische Neukaledonien-Expedition 1965 (NHMW) – Sarramea, Col d'Amieu, 630 m 3♀ 26.02.-29.03.2006 (Malaise trap) leg. Staff of Station de Recherches Fruitières de Pocquereux (SRFP).

Endemic. The records from Australia and Tasmania by du BUYSSON (1898: 522; 1899: 162) are caused by misidentification or mislabelling. *Chrysis integra* MONTROUSIER 1864 is a junior homonym of *Chrysis integra* FABRICIUS 1787. According to du BUYSSON (1998: 522) MOCSÁRY (1889: 202) has seen a female.

Species excluded from the species list

Stilbum cyanurum (FORSTER 1771)

Stilbum cyanurum (FÖRSTER (!) 1771): KIMSEY & BOHART 1990: 567 (cat.).

**Stilbum cyanurum amethystinum* (FABRICIUS 1775): ZIMMERMANN 1937: 650, 652 (map).

**Stilbum cyanurum* var. *splendidum* (FABRICIUS 1775): MOCSÁRY 1889: 193 (tax., descr. ♂ ♀, Papua New Guinea (not New Caledonia)).

Stilbum cyanurum var. *splendidum* (FABRICIUS 1775): de DALLA TORRE 1892: 40 (cat.).

Stilbum cyanurum var. *splendidum* (FABRICIUS 1775): BISCHOFF 1913: 27 (cat.).

**Chrysis* (!) *Spinolae* n.sp.: MONTROUSIER 1864 (In: PERROUD & MONTROUSIER): 249 (descr., Woodlark Island, Australia).

Chrysis spinolae MONTROUSIER 1864 MOCSÁRY 1887: 16 (syn.).

Distribution: Papua New Guinea: Woodlark Island.

Known from the Australian, Ethiopian and Palaearctic Region. *Stilbum cyanurum*

(FORSTER) is not mentioned in du BUYSSEN (1899: 169) under *Stilbum splendidum* (FABRICIUS) and varieties. The record from New Caledonia is a geographical error in MOCSÁRY (1889: 193) and subsequent authors, because Woodlark Island belongs to Papua New Guinea.

References

BISCHOFF H. (1913): Hymenoptera Fam. Chrysididae. — In: WYTSMAN P. (ed.), Genera Insectorum **151**: 86 pp.

BOHART R.M. (1988): A Key to the Species of the Genus *Primeuchroeus* and Descriptions of New Species (Chrysididae). — Insecta Mundi **2** (1): 21-27.

BUYSSEN R. du (1898): Étude des Chrysididae du Muséum de Paris. — Annales de la Société Entomologique de France **66** (4): 518-580.

BUYSSEN R. du (1899): Catalogue des Insectes Hyménoptères de la famille des Chrysididae du Muséum de Paris. — Bulletin du Muséum National d'Histoire Naturelle Paris **5** (4): 159-169.

KIMSEY L.S. & R.M. BOHART (1990): The Chrysidid Wasps of the World. — New York (Oxford University Press): I-IX, 652 pp.

KIMSEY L.S. (1995): New amisegine wasps from southeast Asia (Hymenoptera: Chrysididae). — Proceedings of the Entomological Society of Washington **97** (3): 590-595.

LINSENMAIER W. (1982): Neue Chrysididae aus Indo-Australien (Hymenoptera). — Entomofauna **3** (21): 323-347.

MOCSÁRY A. (1887): Studia synonymica. — Természettrajzi Füzetek **11** (1): 12-20.

MOCSÁRY A. (1889): Monographia Chrysididarum orbis terrestris universi. — Budapest (Hungarian Academy of Sciences): 643 pp.

PERROUD B.-P. & R.P. MONTROUSIER (1864): Essai sur la Faune entomologique de Kanala (Nouvelle-Calédonie) et description de quelques espèces nouvelles ou peu connues. — Annales de la Société Linnéenne de Lyon (nouvelle série) **11**: 46-257. (Hymenoptera: 248-250).

ZIMMERMANN S. (1937): Über die Verbreitung und Formenbildung der Gattung *Stilbum* SPIN. (Chrysididae, Hymenopt.). — Archiv für Naturgeschichte N.F. **6** (4): 645-662.

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Zusammenfassung

Die Familie Chrysididae kommt in Neukaledonien mit den Unterfamilien Amiseginae (eine Art) und Chrysidinae (zwei Arten) vor. *Chrysis lincea* FABRICIUS 1775 wird erstmals für Neukaledonien nachgewiesen. *Stilbum cyanurum* (FORSTER 1771) wird von der Artenliste gestrichen, weil der vermutete Nachweis aus Papua Neuguinea (Woodlark Insel) stammt.

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